

Title (en)  
POWER SAVING METHOD IN WIRELESS COMMUNICATION SYSTEM

Title (de)  
STROMSPARVERFAHREN IN EINEM DRAHTLOSKOMMUNIKATIONSSYSTEM

Title (fr)  
PROCÉDÉ D'ÉCONOMIE D'ÉNERGIE DANS UN SYSTÈME DE COMMUNICATION SANS FIL

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Abstract (en)  
[origin: EP2496029A2] The present invention relates to a method for increasing the resource utilization rate and reducing power consumption in a high-speed wireless communication system and a control device. The method according to one embodiment of the present invention comprises a process for efficient utilization of a frequency band by including channel state information and data frame mode information in a request frame or an ack frame, before transmission in a wireless communication system. The method according to one embodiment of the present invention relates to a power saving method in a wireless communication system having at least two different transmission modes, the method comprising: a process of setting a mode in such a manner that a control frame is received in a mode with the lowest sampling speed out of three different modes available and then receiving the control frame in the set mode; and a process of setting a mode, after receiving the control frame, in such a manner that a data packet is transmitted / received in a mode with the highest transmission rate and then transmitting / receiving the data packet in the set mode.

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